

**Utah Department of Environmental Quality
Division of Solid and Hazardous Waste
FACT SHEET**



**December
2008**

Class 3 Permit Modification

**Revise Deactivation Furnace System (DFS) Quench Brine pH Operating
Parameter at the Tooele Chemical Agent Disposal Facility (TOCDF), Utah**

The Tooele Chemical Agent Disposal Facility (TOCDF), located approximately 15 miles south of Tooele, Utah, is preparing to perform a MACT performance Test utilizing the Deactivation Furnace System (DFS). During the test, the TOCDF proposes demonstrate a new minimum quench brine pH for future operation.

The Utah Division of Solid and Hazardous Waste (DSHW) oversees and has permitted operations at TOCDF under the Resource Conservation and Recovery Act (RCRA). RCRA is a federal law written to protect human health and the environment, reduce waste, conserve energy, and to reduce or eliminate the generation of hazardous waste. RCRA is codified under the Code of Federal Regulations, title 40, parts 260 through 299. The DSHW is authorized by the Environmental Protection Agency to enforce hazardous waste regulations in Utah. The State of Utah has codified its own rules under the Utah Administrative Code (the Rules) Sections R315-1 to R315-9, R315-12 to R315-14, R315-16, R315-50, R315-101, and R315-102.

The DFS is permitted to operate under the TOCDF Hazardous Waste Permit (Permit) issued in accordance with the requirements of R315. During the performance test, the DFS will process 4.2 inch HT mortars. A sampling plan has been approved for the 4.2 HT mortars for processing in the MPF. If results do not correlate to anticipated ranges of mercury

contamination, the 4.2 inch HT mortars will not be processed until after a Pollution Abatement System Filtration System (PFS), designed to capture mercury, has been permitted and is operational.

The TOCDF will determine if the quench brine pH can be lowered from pH of 8.7 to pH of 7.0 and not affect other operating parameter limits (OPLs) such as the chlorine feed rate.

In accordance with R315-3-6.3(b)(5), the Executive Secretary of the Solid and Hazardous Waste Control Board has determined that demonstrating the lower pH will be protective of human health and the environment. The Executive Secretary proposes to allow the Permittees to conduct the testing as outlined in the DFS Compliance Test Plan. The revised permit language is available for public review and comment.

The revised permit language may be viewed at the locations listed below.

- DSHW Offices, Martha Hughes Cannon Health Building, 4th floor, 288 North 1460 West, Salt Lake City, Utah, between the hours of 7:00 a.m. and 6:00 p.m., Monday through Thursday.
- Tooele Chemical Stockpile Outreach Office, 54 South Main Street, Tooele, Utah, during normal business hours.

In accordance with R315-4-1.10, a public comment period is being

held to collect public input concerning this changed language.

The comment period is scheduled to begin December 22, 2008, and will conclude February 5, 2009. A public hearing will be held on January 22, 2009, at 5:00 p.m. at the Tooele County Administrative Building, South Auditorium, 47 South Main Street, Tooele, Utah, concerning the permit change language. Public comments will be collected at the hearing. Anyone wishing to make comments is welcome to do so at the hearing or to submit written comments to the following address:

Mr. Dennis R. Downs
Executive Secretary
Utah Solid and Hazardous Waste
Control Board
P.O. Box 144880
Salt Lake City, UT 84114-4880

Written comments on this modification must be received no later than 6:00 p.m. on February 5, 2009. Public comments will be considered in the Executive Secretary's final decision for the DFS Quench Brine pH Operating Parameter Limit modification.

Additional Information:

If you would like more detailed information or have questions please contact:

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